

Appl No.: 10/696052

Response dated:

Office Action dated: September 25, 2008

Please replace the paragraph [0078] with the following amended paragraph:

[Insert text of amended paragraph with markings to show changes made.]

[0078] An alumina coating was provided through the use of sol binders in accordance with Example 1 in a glass microreactor made using a vacuum-assisted micromolding process. Because of the particularity of this process allowing a high sintering of the glass particles to seal the two microcell substrates, high resistance to opressure applied inside the channels was observed. Structures fabricated in accordance with the described process have proven experimentally to resist pressure greater than 6 bars and up to 40 bars, depending on the design. The operating pressure of catalytic microreactors such as described herein can be even higher with appropriated design, such as from about 15 bars to about 40 bars, from about 6 bars to about 150 bars, or even from about 6 bars to about 300 bars.